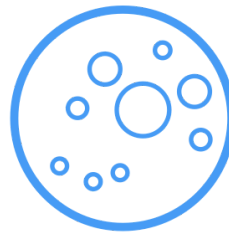# Universal Force Gravity Problem With Density

Step 1: Using the size and composition of each of the bodies you were assigned, find their volume and density.   Show your calculations for object 1 (showing calculations for object 2 is optional)

	Object 1	Object 2
Composition		
Radius (m)		
Density (kg/m³)		
Volume (m³)		
Mass (kg)		

Step 2: Below is a picture of your two objects in deep space. Record their masses and the distance between their centers

Step 3: Calculate the force of gravity between these two objects. Show all your work in making this calculation. Enter your answers into the program to make sure you did everything correctly.